

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Adjustable Segmented Power Amplifier, Circuits and Devices Including the Same, and Methods for the Operation Thereof

as described and claimed in the specification which

☒ is attached hereto.

☐ was filed on _____ as Application Serial No. _____ or Express Mail No. _____ as Serial No. not yet known and was amended on _____ (if applicable).

☐ was set forth in PCT International Application No. _____ which was filed on _____ and as amended under PCT Article 19 on _____ (if any).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U. S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

☐ In compliance with this duty, there is attached an Information Disclosure Statement. 37 CFR 1.97.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate or §365(a) of any PCT International application(s) which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application, having a filing date before that of the application on which priority is claimed.

☒ No such Applications have been filed.

☐ Such Applications have been filed as follows:

Prior Foreign Application(s)

Priority Claimed

Application Number

Country

Day/Month/Year Filed

Yes

No

☐

☐

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

☐ No such Applications have been filed.

☒ Such Applications have been filed as follows:

Provisional Application(s)

Priority Claimed Under 35 USC 119(e)

Application Number

Day/Month/Year Filed

60/470,686

14/05/2003

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the

Attorney Docket No. MP0351

duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

- ☒ No such Applications have been filed.
☐ Such Applications have been filed as follows:

Application Serial No.

Filing Date

Status
(Patented, Pending, Abandoned)

I hereby appoint

Eric B. Janofsky (Registration No. 30,759).

as my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Send all correspondence to

Customer No. 23624
General Patent Counsel
Marvell Semiconductor, Inc.
700 First Avenue, Mail Stop 509
Sunnyvale, CA 94089
General Telephone Number (408) 222-2500
Facsimile (408) 752-9034

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor:

Wayne A. Loeb

Inventor's Signature:

Wayne Loeb

Date: Month/Day/Year

1/27/2004

Residence:

600 25th Ave., #1, San Francisco, California 94121

Citizenship:

USA

Post Office Address:

600 25th Ave., #1, San Francisco, California 94121

Attorney Docket No. MP0351

Full Name of Second Inventor:

King Chun Tsai

Inventor's Signature:

Date: Month/Day/Year

Residence:

1849 Brixton Ct., San Jose, CA 95132

Citizenship:

Hong Kong

Post Office Address:

1849 Brixton Ct., San Jose, CA 95132

Attorney Docket No. MP0351

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

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My residence, post office address and citizenship are as stated below, next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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☒ is attached hereto.☐ was filed on _____ as Application Serial No. _____ or Express Mail No. _____ as Serial No. not yet known and was amended on _____ (if applicable).☐ was set forth in PCT International Application No. _____ which was filed on _____ and as amended under PCT Article 19 on _____ (if any).

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☒ No such Applications have been filed.☐ Such Applications have been filed as follows:Prior Foreign Application(s)Priority ClaimedApplication NumberCountryDay/Month/Year FiledYesNo☐☐

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

☐ No such Applications have been filed.☒ Such Applications have been filed as follows:Provisional Application(s)Priority Claimed Under 35 USC 119(e)Application NumberDay/Month/Year Filed

60/470,686

14/05/2003

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the

Attorney Docket No. MP0351

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- ☒ No such Applications have been filed.
☐ Such Applications have been filed as follows:

Application Serial No.Filing DateStatus(Patented, Pending, Abandoned)

I hereby appoint

Eric B. Janofsky (Registration No. 30,759).

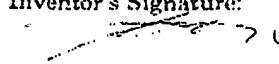
as my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Send all correspondence to

Customer No. 23624
General Patent Counsel
Marvell Semiconductor, Inc.
700 First Avenue, Mail Stop 509
Sunnyvale, CA 94089
General Telephone Number (408) 222-2500
Facsimile (408) 752-9034

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor:	
Wayne A. Loeb	
Inventor's Signature:	Date: Month/Day/Year
Residence:	
600 25 th Ave., #1, San Francisco, California 94121	
Citizenship:	
USA	
Post Office Address:	
600 25 th Ave., #1, San Francisco, California 94121	

Attorney Docket No. MP0351

Full Name of Second Inventor: King Chun Tsai	
Inventor's Signature: 	Date: Month/Day/Year 2/4/04
Residence: 1849 Brixton Ct., San Jose, CA 95132	
Citizenship: Hong Kong	
Post Office Address: 1849 Brixton Ct., San Jose, CA 95132	

PATENTS ONLY

Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Wayne A. LOEB

2. Name and address of receiving party(ies)

Name: Marvell Semiconductor, Inc.

Internal Address: _____

Street Address: 700 First AvenueCity: Sunnyvale State: CA Zip: 94089Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Execution Date: 01-27-2004Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 01-27-2004

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Eric B. JanofskyInternal Address: General Patent CounselMail Stop 509Street Address: 700 First AvenueCity: Sunnyvale State: CA Zip: 940896. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: _____



DO NOT USE THIS SPACE

9. Signature.

Andrew D. Fortney, Ph.D.; Reg No. 34,600

Name of Person Signing

Signature

02-10-2004

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

Wayne A. Loeb

King Chun Tsai

who have created a certain invention for which an application for United States Letters Patent was executed by me concurrently herewith and entitled:

Adjustable Segmented Power Amplifier, Circuits and Devices Including the Same, and Methods for the Operation Thereof

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Full Name of Sole/First Inventor:	
Wayne A. Loeb	
Inventor's Signature:	Date: Month/Day/Year
<i>Wayne A. Loeb</i>	11/27/2004

Full Name of Second Inventor, if any:	
King Chun Tsai	
Inventor's Signature:	Date: Month/Day/Year

MP0351

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**Inventors:** Loeb, Wayne A et al.**Group Art Unit:** Not Yet
Assigned**Serial No.:** Not Yet Assigned**Examiner:** Not Yet Assigned**Filed:** Herewith**Title:** Adjustable Segmented Power Amplifier, Circuits and Devices Including the
Same, and Methods for the Operation Thereof**SUBMISSION OF CREDIT CARD PAYMENT**

Mail Stop patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Please charge fees associated with the subject filing to the following:

American Express Corporate Credit Card Account #: 3785 471287 71007

Credit Card Expiration Date: 04/04

Name as it Appears on Credit Card: Eric B. Janofsky

Payment Amount in U.S. Dollars: \$ **40.00**Signature: Date: 1/26/04Credit Card Billing Address:

Eric B. Janofsky

225 West Ferndale Ave.

Sunnyvale, CA 94085

Respectfully submitted,



Eric B. Janofsky

Attorney for Applicant

Registration No. 30759

Please address all correspondence to:

Eric B. Janofsky

General Patent Counsel

Marvell Semiconductor, Inc.

700 First Avenue, Mail Stop 509

Sunnyvale, CA 94089

General Telephone Number (408) 222-2500

Facsimile (408) 752-9034

Email: janofsky@marvell.com

Customer No. 23624

Date: 1/26/04

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

King Chun TSAI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 02-04-2004

2. Name and address of receiving party(ies)

Name: Marvell Semiconductor, Inc.

Internal Address: _____

Street Address: 700 First Avenue

City: Sunnyvale State: CA Zip: 94089

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 02-04-2004

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Eric B. Janofsky

Internal Address: General Patent Counsel

Mail Stop 509

Street Address: 700 First Avenue

City: Sunnyvale State: CA Zip: 94089

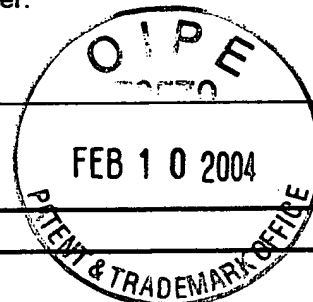
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:



DO NOT USE THIS SPACE

9. Signature.

Andrew D. Fortney, Ph.D.; Reg No. 34,600

Name of Person Signing

Signature

02-10-2004

Date

Total number of pages including cover sheet, attachments, and documents: 2

Docket# MP0351

PATENT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

Wayne A. Loeb

King Chun Tsai

who have created a certain invention for which an application for United States Letters Patent was executed by me concurrently herewith and entitled:

Adjustable Segmented Power Amplifier, Circuits and Devices Including the Same, and Methods for the Operation Thereof

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Full Name of Sole/First Inventor:

Wayne A. Loeb

Inventor's Signature:

Date: Month/Day/Year

Full Name of Second Inventor, if any:

King Chun Tsai

2/4/04

Inventor's Signature:

Date: Month/Day/Year

MP0351

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Loeb, Wayne A et al.

Group Art Unit: Not Yet
Assigned

Serial No.: Not Yet Assigned

Examiner: Not Yet Assigned

Filed: Herewith

Title: Adjustable Segmented Power Amplifier, Circuits and Devices Including the
Same, and Methods for the Operation Thereof

SUBMISSION OF CREDIT CARD PAYMENT

Mail Stop patent Application

Commissioner for Patents

P.O. Box 1450

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Signature: 

Date: 1/26/04

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Eric B. Janofsky

225 West Ferndale Ave.

Sunnyvale, CA 94085

Respectfully submitted,


Eric B. Janofsky

Attorney for Applicant

Registration No. 30759

Please address all correspondence to:

Eric B. Janofsky

General Patent Counsel

Marvell Semiconductor, Inc.

700 First Avenue, Mail Stop 509

Sunnyvale, CA 94089

General Telephone Number (408) 222-2500

Facsimile (408) 752-9034

Email: janofsky@marvell.com

Customer No. 23624

Date: 1/26/04

RECORDATION FORM COVER SHEET

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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1. Name of conveying party(ies):

Marvell Semiconductor, Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Execution Date: 02-09-2004

2. Name and address of receiving party(ies)

Name: Marvell International Ltd.

Internal Address: _____

Argyle House

Street Address: 41A Cedar Avenue

City: Hamilton, BERMUDA State: _____ Zip: HM12

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 01-27-2004

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Eric B. Janofsky

Internal Address: General Patent Counsel

Mail Stop 509

Street Address: 700 First Avenue

City: Sunnyvale State: CA Zip: 94089

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.

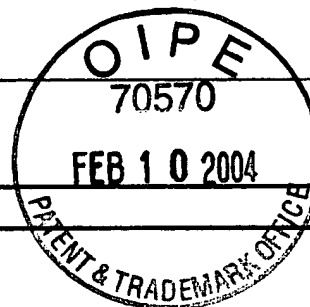


Enclosed



Authorized to be charged to deposit account

8. Deposit account number:



DO NOT USE THIS SPACE

9. Signature.

Andrew D. Fortney, Ph.D.; Reg No. 34,600

Name of Person Signing

Signature

02-10-2004

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

Corporate

Marvell Semiconductor, Inc., a California corporation, having a principal place of business at 700 First Avenue, Sunnyvale, CA 94089 (hereafter the "Assignor"), is the owner by respective Assignment of United States Patent Application identified below (hereafter sometimes called the "Patent Application").

Marvell International Ltd., a corporation of Bermuda, having a place of business at Argyle House, 41A Cedar Avenue, Hamilton, Hm12, Bermuda (hereafter the "Assignee"), desires to acquire all of the rights to the Patent Application and all inventions described and claimed therein.

THEREFORE, in consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to it, Assignor hereby sells and assigns to the Assignee the entire right, title and interest in and to the Patent Application identified below, and all inventions described and claimed therein, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations, divisions and continuations of such applications or Letters Patent to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the Assignor had this Assignment and sale not been made.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>U. S. Filing Date</u>	<u>Title</u>
MP0351	New Application	Herewith	Adjustable Segmented Power Amplifier, Circuits and Devices Including the Same, and Methods for the Operation Thereof

By its undersigned representative, the Assignor agrees

- a. to execute all papers necessary in connection with the Patent Application and any continuing, divisional, reissue, reexamination or corresponding application thereof and also to execute separate Assignment in connection with such application as the Assignee may deem necessary or expedient;
- b. to execute all papers necessary in connection with any interference which may be declared concerning the Patent Application or any continuation, division, reissue or reexamination thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; and

c. to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee on any of the Patent Application and on any continuation, division, reissue or reexamination of any of the Patent Application.

The Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

Marvell Semiconductor, Inc., a California corporation, certifies that it is the Assignee of the entire right, title and interest in the Patent Application identified above by virtue of Assignment from the inventors of the Patent Application identified above. Assignment to be recorded in the Patent and Trademark Office as identified below.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>Assignment Execution Date</u>
MP0351	New Application	January 27, 2004 and February 4, 2004

The undersigned has reviewed the documents in the Patent Application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignor identified above.

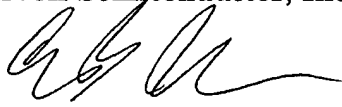
The undersigned is empowered to sign this certificate on behalf of the Assignor.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IN WITNESS WHEREOF, executed by the Assignor's undersigned representative
on the date following the undersigned's name.

Marvell Semiconductor, Inc.

By:



Eric Janofsky

Title: General Patent Counsel

Date February 9, 2004